

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

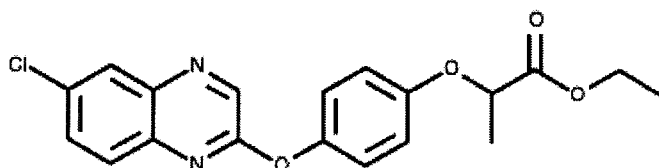
Analyte: Quizalofop-ethyl

CAS No.: 76578-14-8

Formula: C₁₉H₁₇ClN₂O₄

Molecular mass (lowest isotopes): 372,088 amu

Structure:



Ionisation: ESI +

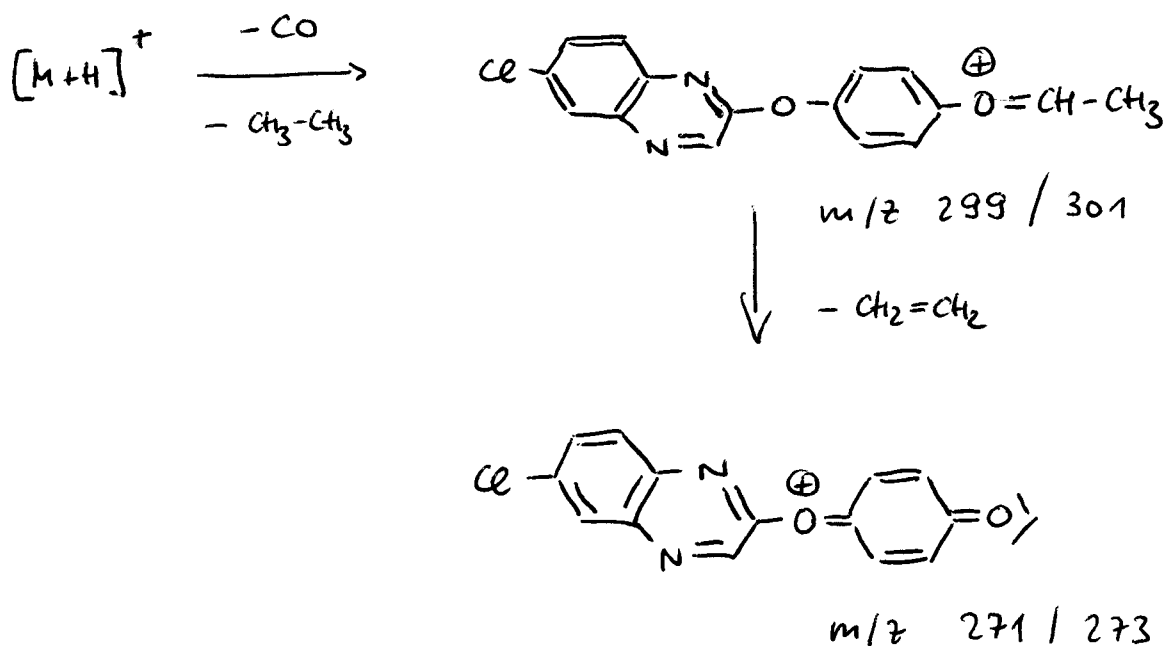
Quasimolecular ion: 373,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

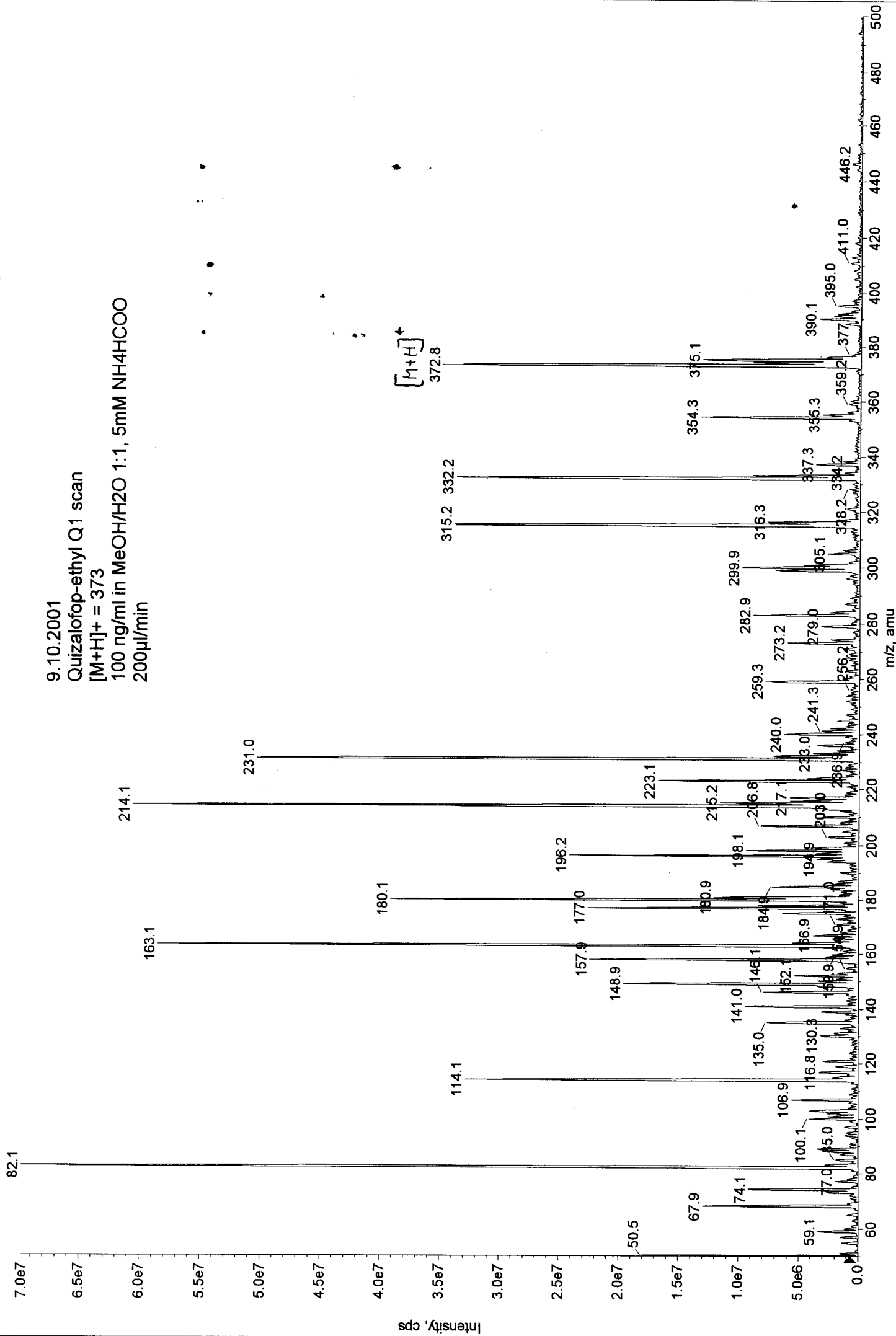
Transition	373,1 → 298,9	373,1 → 271,0
Declustering potential (DP) ^{*)}	74 V	74 V
Focusing potential (FP)	340 V	330 V
Entrance potential (EP)	11,5 V	12,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	25 V	33 V
Collision cell exit potential (CXP)	16 V	14 V

^{*)} For API 3000 and 4000 enhance DP by 20V

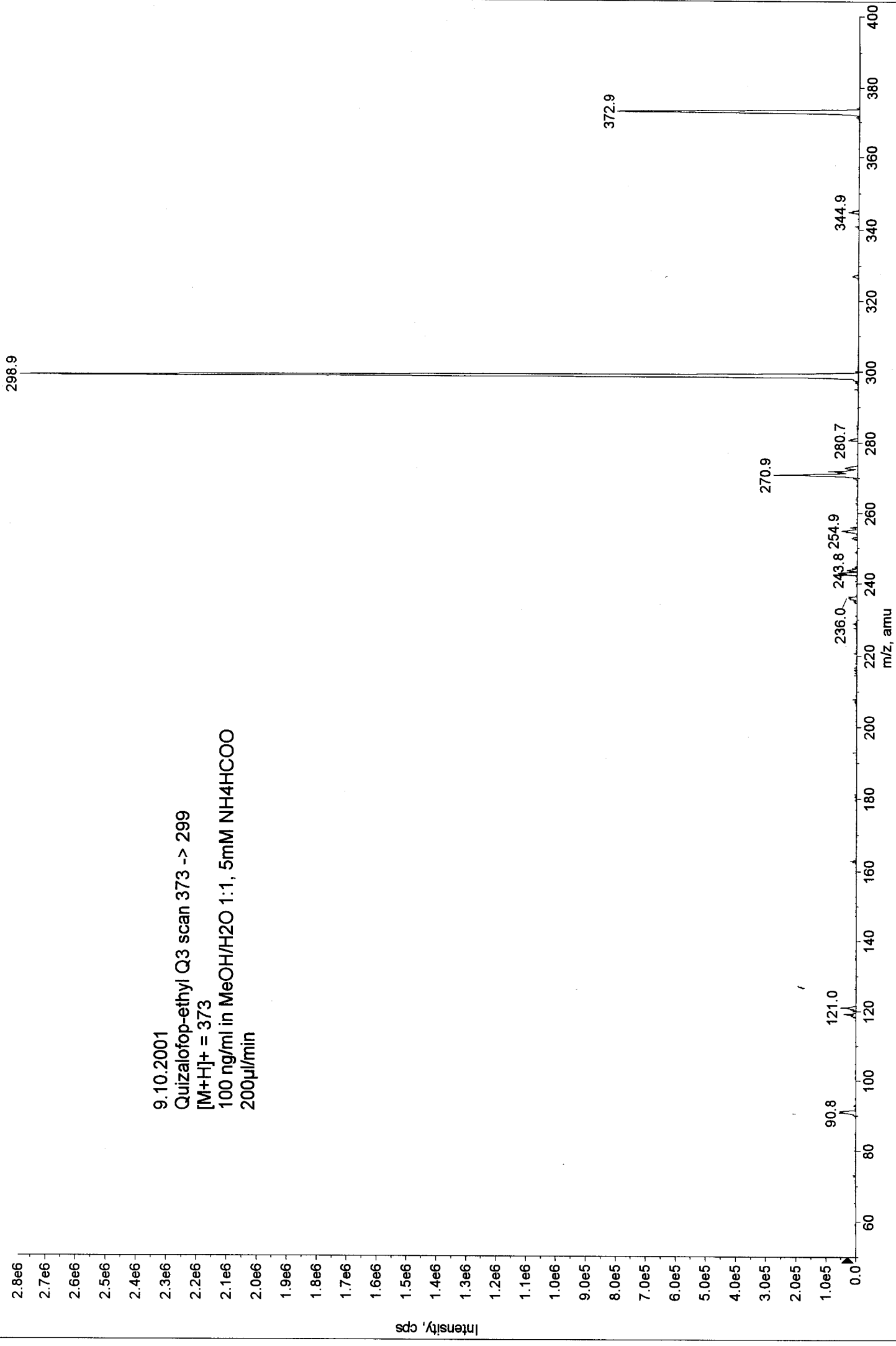
Fragmentation



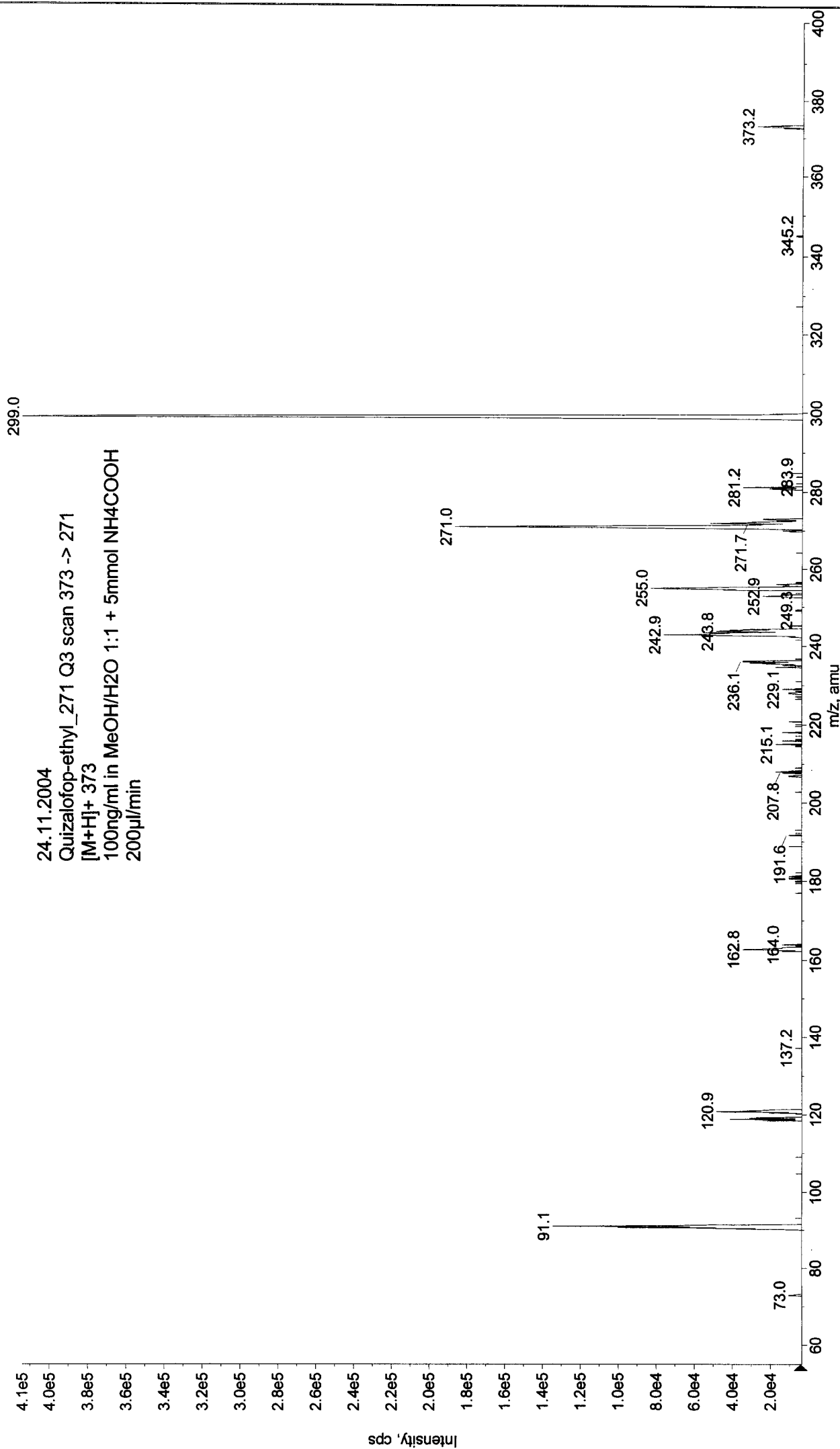
9.10.2001
 Quizalofop-ethyl Q1 scan
 $[M+H]^+ = 373$
 100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
 200µl/min



9.10.2001
Quizalofop-ethyl Q3 scan 373 -> 299
[M+H]⁺ = 373
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200µl/min



+MS2 (373.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041124080140.wiff (Turbo Spray) Max. 4.1e5 cps



■ +MS2 (375.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041124080925.wiff (Turbo Spray) Max. 2.4e5 cps

